504309997 04/06/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JEANNE STACHOWIAK	01/09/2017
HUGH SMYTH	01/09/2017
AVINASH KAUR GADOK	01/09/2017
SILVIA FERRATI	01/09/2017
CHI ZHAO	01/09/2017

RECEIVING PARTY DATA

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State/Country:	TEXAS
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15333137

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NAME OF SUBMITTER: CAROLINE HAMILTON

SIGNATURE: /Caroline Hamilton/

DATE SIGNED: 04/06/2017

Total Attachments: 3

PATENT REEL: 041887 FRAME: 0092

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> PATENT REEL: 041887 FRAME: 0093

ASSIGNMENT OF PATENT APPLICATION

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, do hereby:

SELL, ASSIGN AND TRANSFER to **Board of Regents**, **The University of Texas System** (the "Assignee"), having a place of business at **201 West 7th Street**, **Austin**, **Texas**, **78701**, the entire right, title and interest for the United States and all foreign countries in and to any and all inventions, subject matter and improvements disclosed in the application for **United States Letters Patent**, **Serial No. 15/333,137**, Filed on 10/24/2016 (the "Invention"), which claims priority to Provisional Application No. 62/245,665, filed 10/23/2015, such application and any and all divisional, continuing, substitute, renewal, reissue and other applications for patent which have been or shall be filed in the United States and all foreign countries based on the Invention; all original, reissued and reexamined patents which have been or shall be issued in the United States and all foreign countries based on the Invention; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned:

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

IN WITNESS WHEREOF, I have hereunto signed my name on the day and year set forth below.

Gland Hackowak 1/9/3 gventor's Signature DATE	2017
Jeanne Stachowiak Inventor's Printed Name	
STATE OF TIXAS) COUNTY OF TIXAS)	
alla di	ssignment, and who acknowledged to
CARRIE N. CUMNINGHAM NOTARY PUBLIC NOTARY PUBLIC NOTARY PUBLIC NOTARY F State of Texas Comm. Exp. 04-22-2017 My Commi	Market Alana M

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IN WITHESS WHEREOF, I have hereunto sign	ied my name on the day and year set forth below.
SV Sanah	9 Jan. 20A
Inventor's Signature	DATE
Hugh Smyth Inventor's Printed Name	
STATE OF TIXAS) SS	
On this 4th day of 4Waw named Hugh Smyth who is personally know evidence to be the same individual who exect	wn by me or proved to me on the basis of satisfactory uted the foregoing assignment, and who acknowledged to wn free will for the use and purposes therein set forth. NOTARY PUBLIC My Commission Expires: 472 2014
IN WITNESS WHEREOF, I have hereunto sign Out Hadok Inventor's Signature	ned my name on the day and year set forth below. 1/9/2017 DATE
Avinash Kaur Gadok Inventor's Printed Name	
named Avinash Kaur Gadok who is personally evidence to be the same individual who exect me that he/she executed the same of his/her or	, 2011, before me personally came the above y known by me or proved to me on the basis of satisfactory uted the foregoing assignment, and who acknowledged to wn free will for the use and purposes therein set forth.
CARRIE N. CUNNINGHAM NOTARY PUBLIC 10# 12938171-0 State of Texas Comm. Exp. 04-22-2017	NOTAR PUBLIC 4 22 7014 My Commission Expires: 4 22 7014

IN WITNESS WHEREOF, I have hereunto signed my name on the day and year set forth below.
Spration 1/9/2017
Inventor)s Signature DATE
Silvia Ferrati V Inventor's Printed Name
STATE OF TEXUS) SS
COUNTY OF TYPOUS)
On this of day of Jawaw . 2011, before me personally came the above named Silvia Ferrati who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to
me that he/she executed the same of his/her own free will for the use and purposes therein set forth.
CARRIE N. CUNNINGHAM NOTARY PUBLIC Diff 12938171-0 State of Texas Comm. Exp. 04-22-2017 My Commission Expires: 4 22 7017
CONTROL BOND
IN WITNESS WHEREOF, I have hereunto signed my name on the day and year set forth below.
42-3
Inventor's Signature Ol/09/2017 DATE
Chi Zhao Inventor's Printed Name
STATE OF TOXAS
COUNTY OF Travis) SS
On this day of Jawaw, 1014, before me personally came the above named Chi Zhao who is personally known by me or proved to me on the basis of satisfactory evidence to
be the same individual who executed the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the use and purposes therein set forth.
annemanness (MINA)
CARRIE N. CUNNINGHAM NOTARY PUBLIC NOTARY PUBLIC My Commission Expires: 4 22 2017 Comm. Exp. 04-22-2017 Comm. Exp. 04-22-2017
NOTARY WITHOUT BOND

PATENT REEL: 041887 FRAME: 0096